

SWITCHABLE TRANSPARENT SCREENS FOR  
IMAGE PROJECTION SYSTEM

ABSTRACT OF THE DISCLOSURE

Embossed microstructures within a substrate are used to create narrow and deep holes within that substrate. A carbon nanotube solution or mixture is then deposited over this substrate with the embossed holes. Shaking or vibrating the substrate will then cause the carbon nanotubes to fall into each of the holes in such a way that all of the nanotubes within a hole will be substantially parallel to the long axis of the hole. This structure can then be combined with a gate electrode and an anode to create a field emission display device.

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